

EC-710-081P Art. No. 202206



- Analogue compact camera with fixed focus
- Certified acc. to ATEX, IECEx, NEC, CEC and EAC for almost worldwide operation in hazardous areas
- The world's smallest explosion proof camera: only 55 mm
- Extremely robust: seawater-proof and resistant to shock and vibration, degree of protection IP69K, suitable for extreme temperature ranges

WebCode **EC710A**



The analogue fixed camera EC-710 from R. STAHL is an uncomplicated surveillance camera for many types of application. Seven versions with different viewing angles are available. The stainless-steel camera enclosure (316L) has degree of protection IP69K and can be cleaned easily and quickly with a pressure washer. The camera is also resistant to shock and vibration and suitable for extreme temperatures ranging from -40 °C to +75 °C, making it ideal for surveillance systems in rough ambient conditions. The low power consumption saves energy, and since the camera is also low-maintenance, it is ideal for independent surveillance. Certified for installation in hazardous zones 1 / 2 / 21 / 22 according to ATEX, IECEx, NEC, CEC and EAC, the camera can be installed world-wide.

### Technical Data

#### Explosion Protection

Application range (zones)	1 2 21 22
Certifications	IECEX, ATEX, EAC, NEC, CEC
IECEX gas certificate	KEM 09.0039X
IECEX gas explosion protection	Ex mb IIC T4 Gb
IECEX dust certificate	KEM 09.0039X
IECEX dust explosion protection	Ex mb IIIC 125 °C Db
ATEX gas certificate	09 ATEX 0102X
ATEX gas explosion protection	⊕ II 2 G Ex mb IIC T4 Gb
ATEX dust certificate	09 ATEX 0102X
ATEX dust explosion protection	⊕ II 2 D Ex mb IIIC 125 °C Db
EAC certificate	TC RU C-DE.ГB.04.B.00260
EAC gas explosion protection	1 Ex mb IIC T6, T5, T4 Gb X
EAC dust explosion protection	Ex mb IIIC T85 °C, T100 °C, T125 °C

#### Electrical Data

Rated operational voltage DC	12 V
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#### Camera Data

Sensor	1/4 CCD
TV system	PAL
Lens	Chemically hardened float glass 5-7x harder than conventional glass
Viewing angle	81° fixed

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### Camera Data

Focus	Fixed focus
Resolution	470 TVL
Total pixels	795 (H) x 596 (V)
Minimum working distance	100 mm
Minimum illumination color (ICR-OFF)	1.5 lx F1.2
S/N ratio	52 dB (min) / 60 dB (type)
Amount privacy-maskings	0
WDR (dynamic range)	0 dB
White balance	Auto, AWC, fixed Automatic white balance AWB, AWT (3200-10,000K) Fixed (3200K)

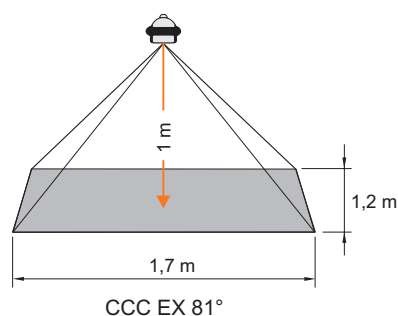
### Ambient Conditions

Ambient temperature	-40 °C ... +75 °C
Ambient temperature	-40 °C ... +75 °C

### Mechanical Data






Version	Fixed viewing angle
Degree of protection (IP)	IP68, 69K
Enclosure material	1.4404 stainless steel
Cable length	5 m
Integrated wiper	No
Feature	GRP camera bracket included
Package weight	0 kg
Weight	0.7 kg
Weight	1.54 lb

### Technical Drawings – Subject to Alterations



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Accessories and Spare Parts

Ex-e terminal box		Art. No.
	<p><b>JCT-8118-122-14p-02</b></p> <ul style="list-style-type: none"> <li>- II 2 G Ex eb IIC T6/T5 Gb</li> <li>- II 2 D Ex tb IIIC T80 °C ... T95 °C</li> <li>- 14 UT-2.5 terminals</li> <li>- 2 UT-2.5 PE terminals</li> <li>- 4 cable connectors</li> <li>- Degree of protection IP66, water-proof</li> <li>- Polyester resin, black</li> </ul>	230600
	<p><b>JCT-8118-122-14p-02-ARM</b></p> <ul style="list-style-type: none"> <li>- ATEX-certification zone 1, 2, 21 &amp; 22</li> <li>- II 2 G Ex eb mb IIC T6/T5/T4 Gb</li> <li>- II 2 D Ex tb IIC T80°C / T95°C / T130°C</li> <li>- Degree of protection IP66</li> <li>- Polyester material, black</li> <li>- 14 UT-2.5 terminals</li> <li>- 2 UT-2.5 PE terminals</li> <li>- HxWxD: 115 x 115 x 64 mm</li> </ul>	230603
Camera multi-cable standard		Art. No.
	<p><b>VB-CAM-MULTI-11-UNI</b></p> <ul style="list-style-type: none"> <li>1 x coaxial cable</li> <li>2 x power supplies</li> <li>1 x data cable</li> <li>-40°C ... +85 °C</li> <li>Suitable for EC-710 and EC-750 (analogue only)</li> <li>Price per metre</li> </ul>	230585
Camera multi-cable armoured		Art. No.
	<p><b>VB-CAM-MULTI-01-ARM</b></p> <ul style="list-style-type: none"> <li>1 x coaxial cable</li> <li>2 x power supplies</li> <li>3 x data cables</li> <li>-40°C ... +85 °C</li> <li>Mud and oil-resistant</li> <li>Suitable for EC-710 and EC-750 (analogue only)</li> <li>Price per meter</li> </ul>	167535
Inspection glass mount		Art. No.
	<p><b>Inspection glass holder for EC-710-Series</b></p> <ul style="list-style-type: none"> <li>For EC-710-0xx cameras</li> <li>Stainless steel 316</li> <li>Mouting position can be ordered individually</li> </ul>	230675
Wall mount		Art. No.
	<p><b>Wall bracket for EC-710</b></p> <ul style="list-style-type: none"> <li>Suitable for EC-710-0xx cameras</li> <li>V2A stainless steel</li> <li>Approx. 236 mm long</li> <li>Without camera</li> </ul>	230669

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**Video Encoder**

**Art. No.**



**VS-AXIS-Q7424-R-MKII**

- H.264 and MJPEG video compression
- H.264 and MJPEG streams
- Alarm input and output
- Power over Ethernet
- SFP Slot
- Voltage 8 ... 28 V DC
- Temp. -40 ... +75 °C

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